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| **Task Description** | **Task Activity** | **Predecessor** | **Duration (days)** |
| Project Initiation | 1. Define project scope and objectives | - | 5 days |
| System Analysis and Requirements Gathering | 2. Specify User Requirements | 1 | 3 days |
| 3. Define Technical Requirements | 2 | 3 days |
| 4. Design System Architecture | 3 | 5 days |
| Infrastructure Setup | 5. Purchase Needed hardware | 4 | 3 days |
| 6. Set Up Network Infrastructure | 5 | 2 days |
| 7. Install and Configure Tracking Devices | 5 | 2 days |
| Software Development | 8. Develop Front-End | 4 | 7 days |
| 9. Develop Back-End | 4 | 10 days |
| **Implementation** | 10. Establish Data Transmission and Communication Protocols | 8, 9 | 5 days |
| 11. Test and Calibrate Tracking System | 10 | 2 days |
| 12. Train Users (Bus Operators,  Administrators) | 11 | 5 days |
| **Documentation** | 13. Evaluate the system | 12 | 2 days |
| 14. Create User Manuals | 12 | 2 days |
| 15. Create FAQS | 12 | 1 day |
| **Deployment** | 16. Deploy the project | 13, 14, 15 | 1 day |